

09707578-110600

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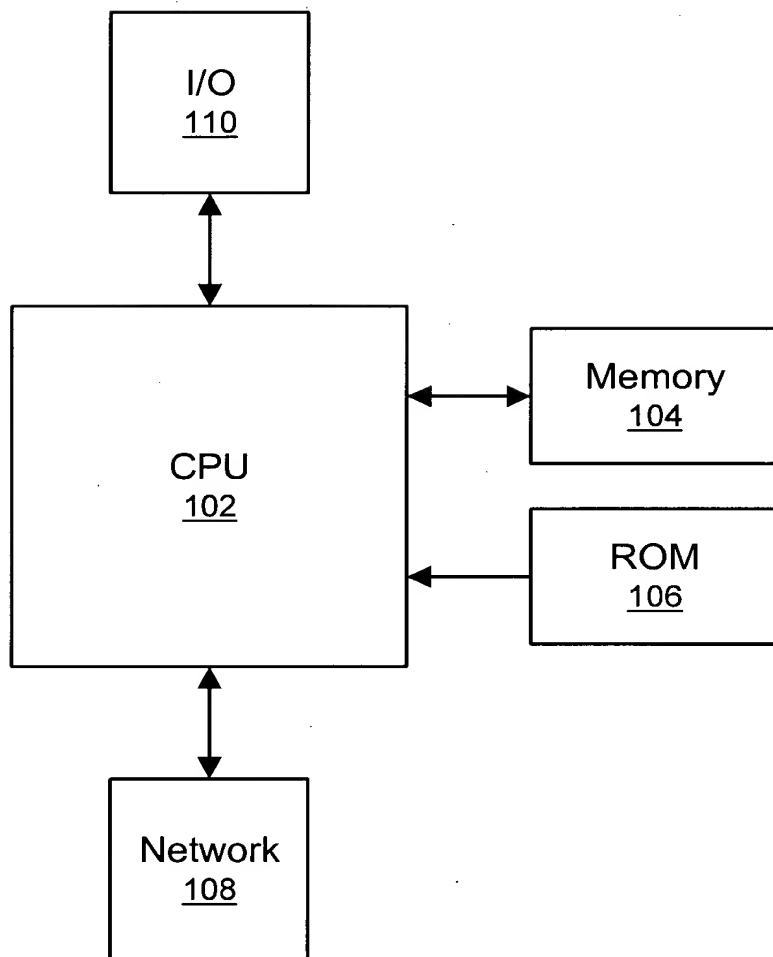


Figure 1

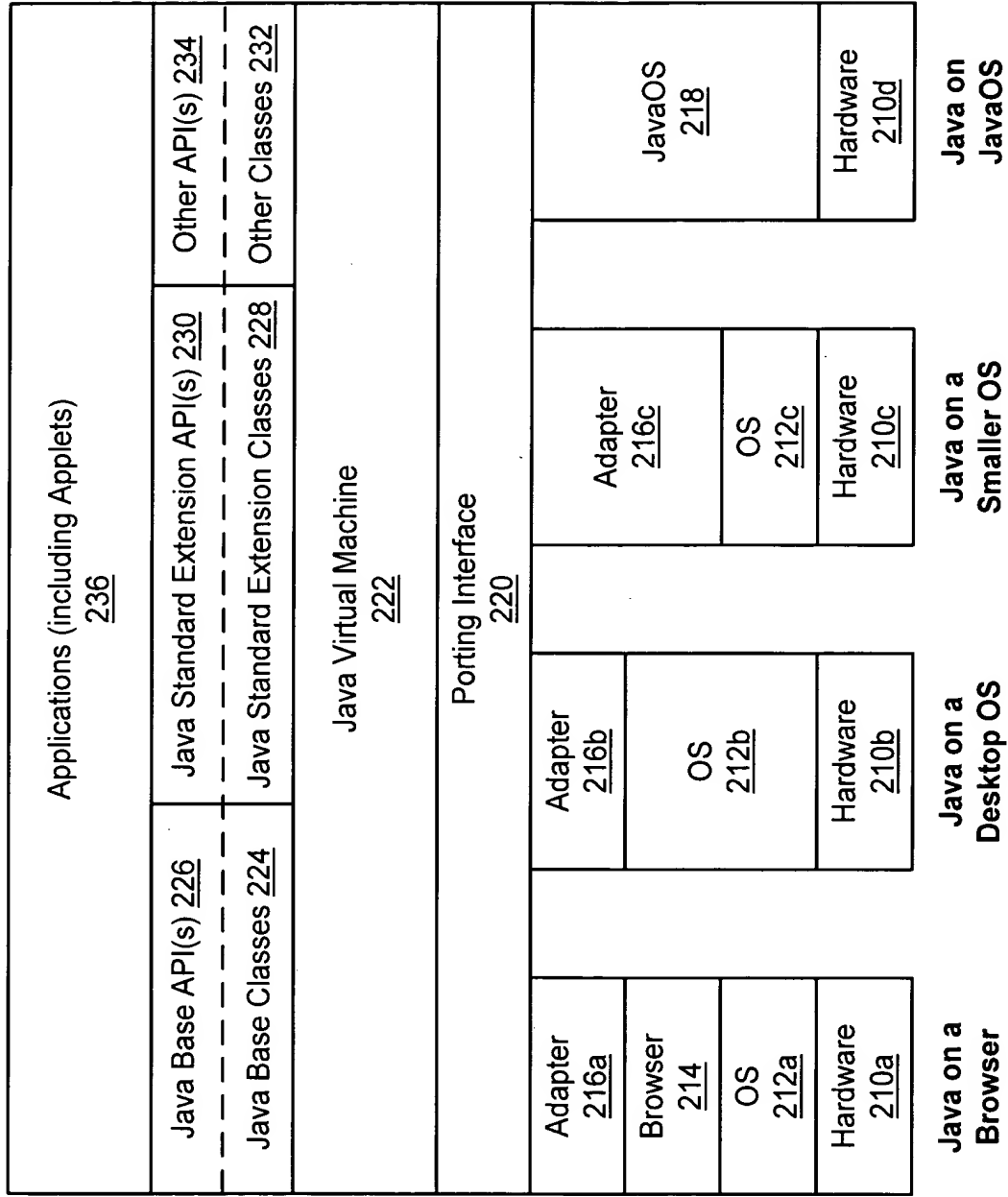


Figure 2

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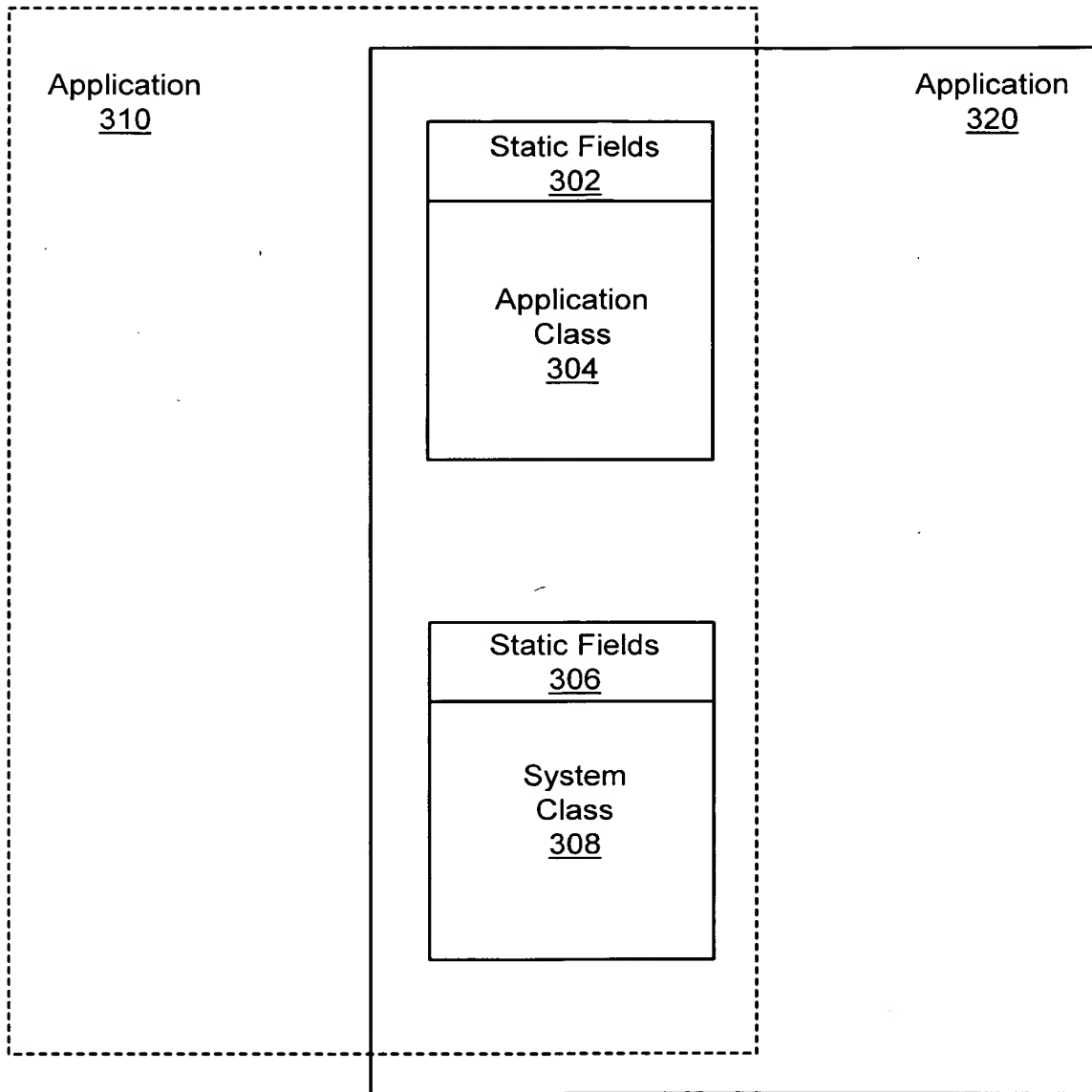


Figure 3

09707578-110500

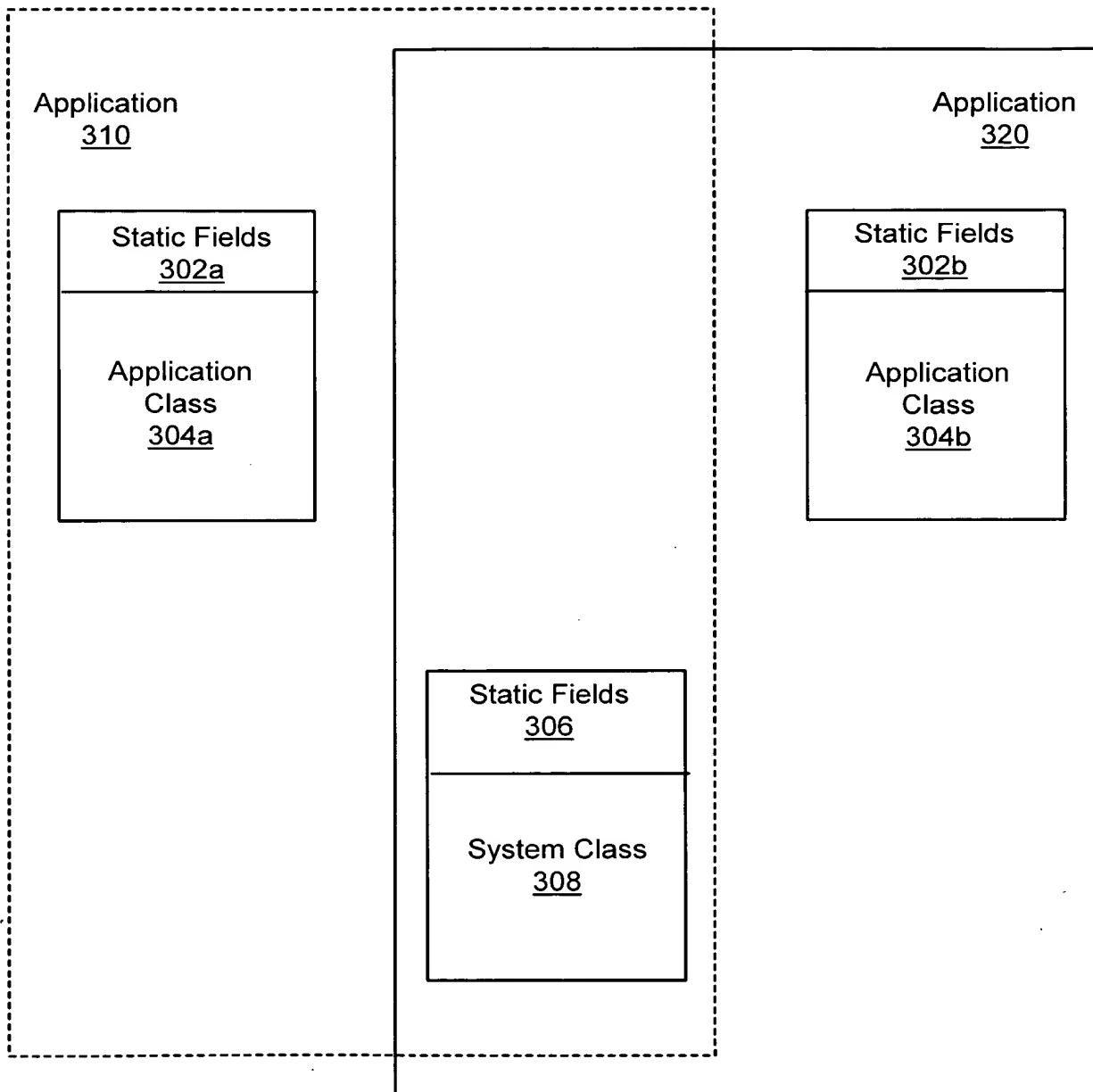


Figure 4

09707578 110600

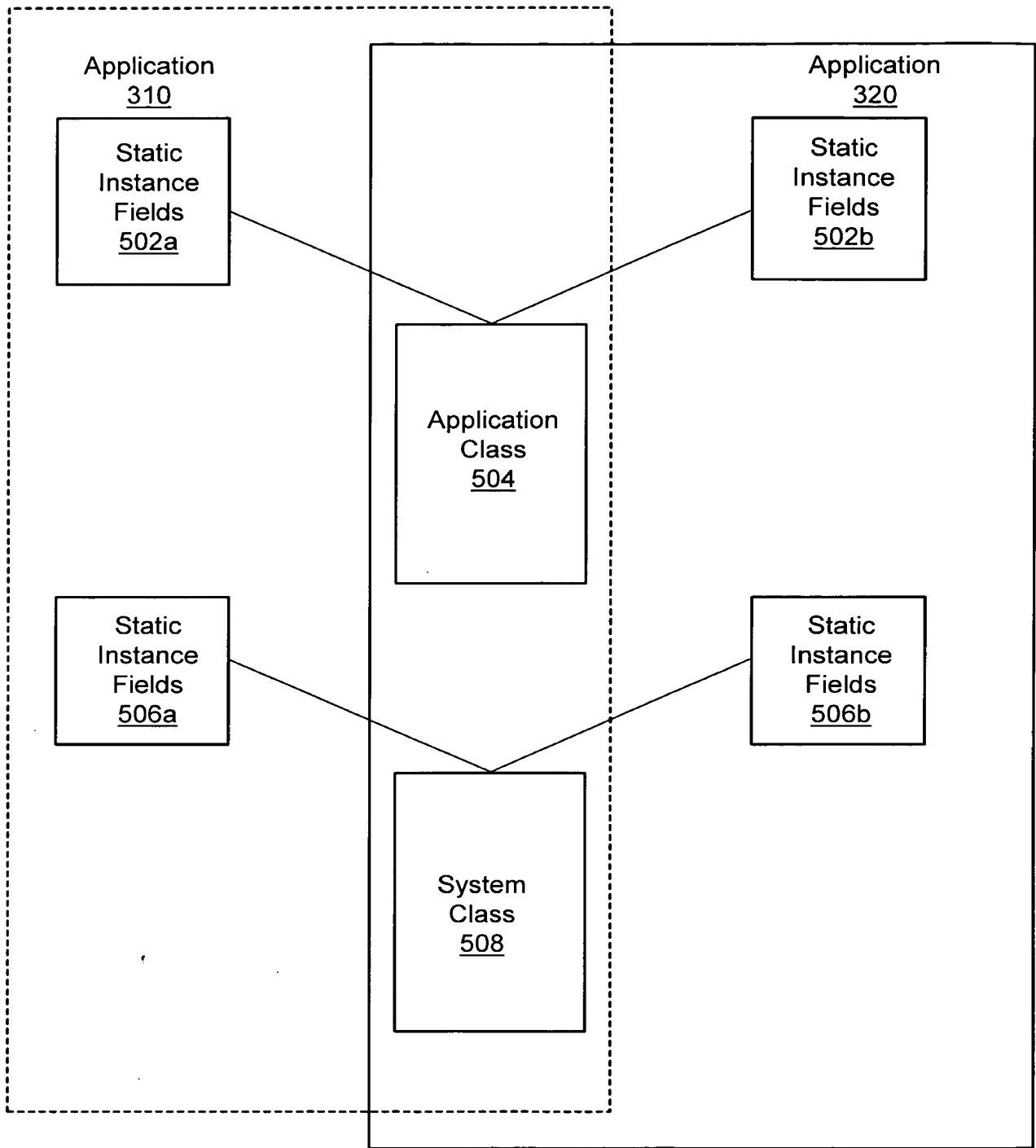


Figure 5

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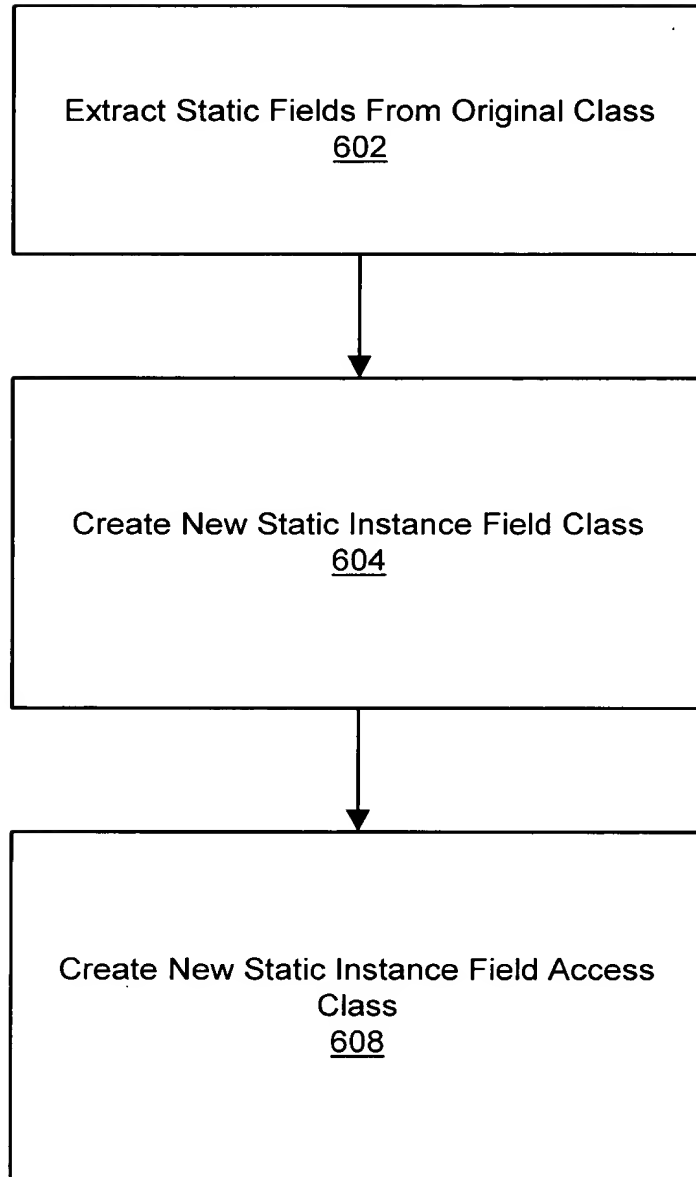


Figure 6

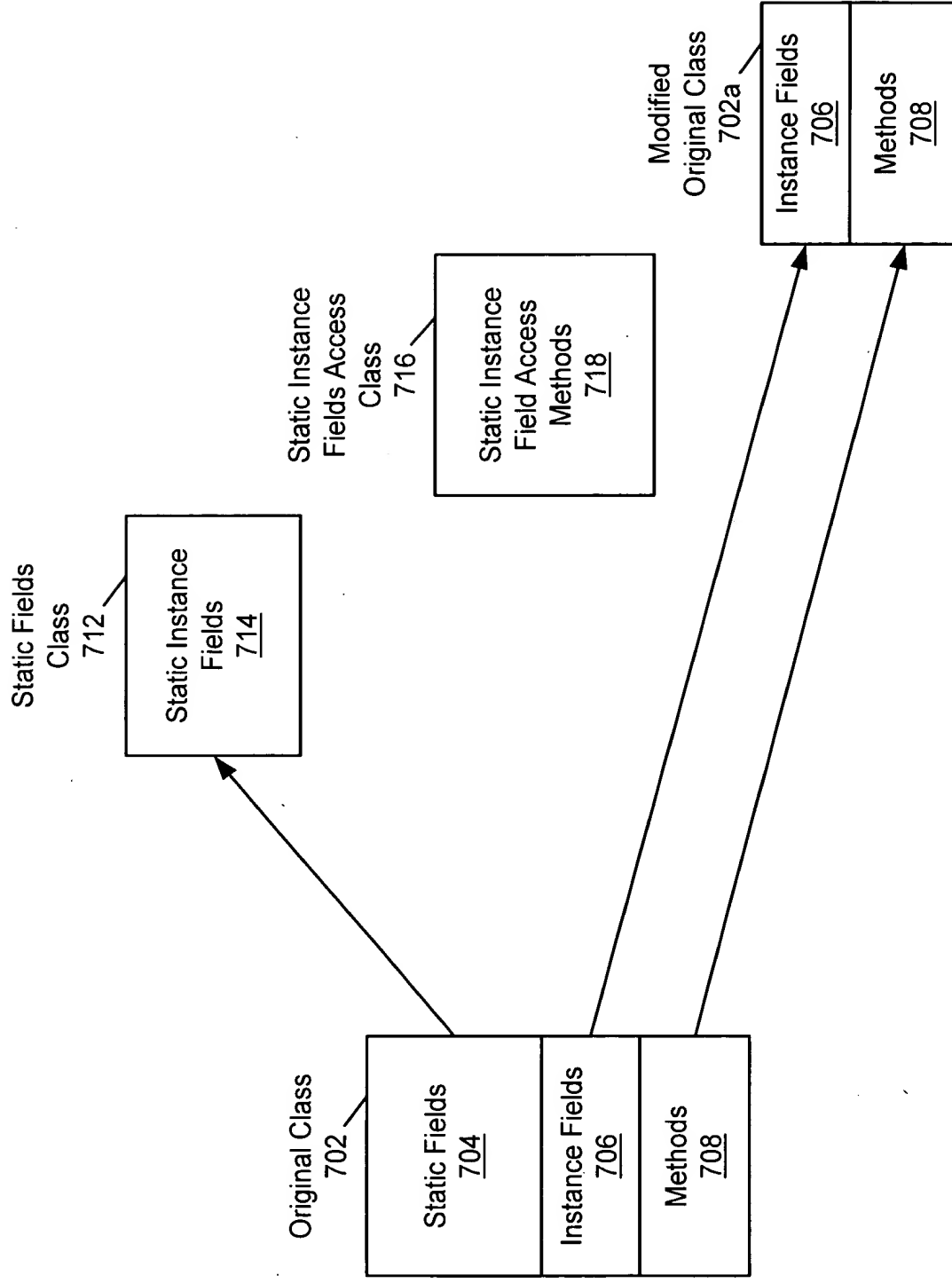


Figure 7

```

class Counter {
    static int counter;

    static {
        counter = 0;
    }

    static void add(int val) {
        counter = counter + val;
    }
}

```

Original Class  
802

```

class Counter {
    static void hidden$initializer() {
        Counter$aMethods.put$cnt(0);
    }

    static { hidden$initializer(); }

    static void add(int val) {
        int tmp =
            Counter$aMethods.get$cnt();
        tmp += val;
        Counter$aMethods.put$cnt(tmp);
    }
}

```

---

```

class Counter$sFields {
    int counter;
}

```

---

```

class Counter$aMethods {
    static Counter$sFields[] sfArr =
        new Counter$sFields[MAX_APPS];

    static Counter$sFields getSFields() {
        int id = Thread.currentAppld();
        Counter$sFields sFields = sfArr[id];
        if (sFields == null) {
            sFields = new Counter$sFields();
            sfArr[id] = sFields;
            Counter.hidden$initializer();
        }
        return sFields;
    }

    static int get$cnt() {
        return getSFields().counter;
    }

    static void put$cnt(int val) {
        getSFields().counter = val;
    }
}

```

Generated Classes  
804

Figure 8



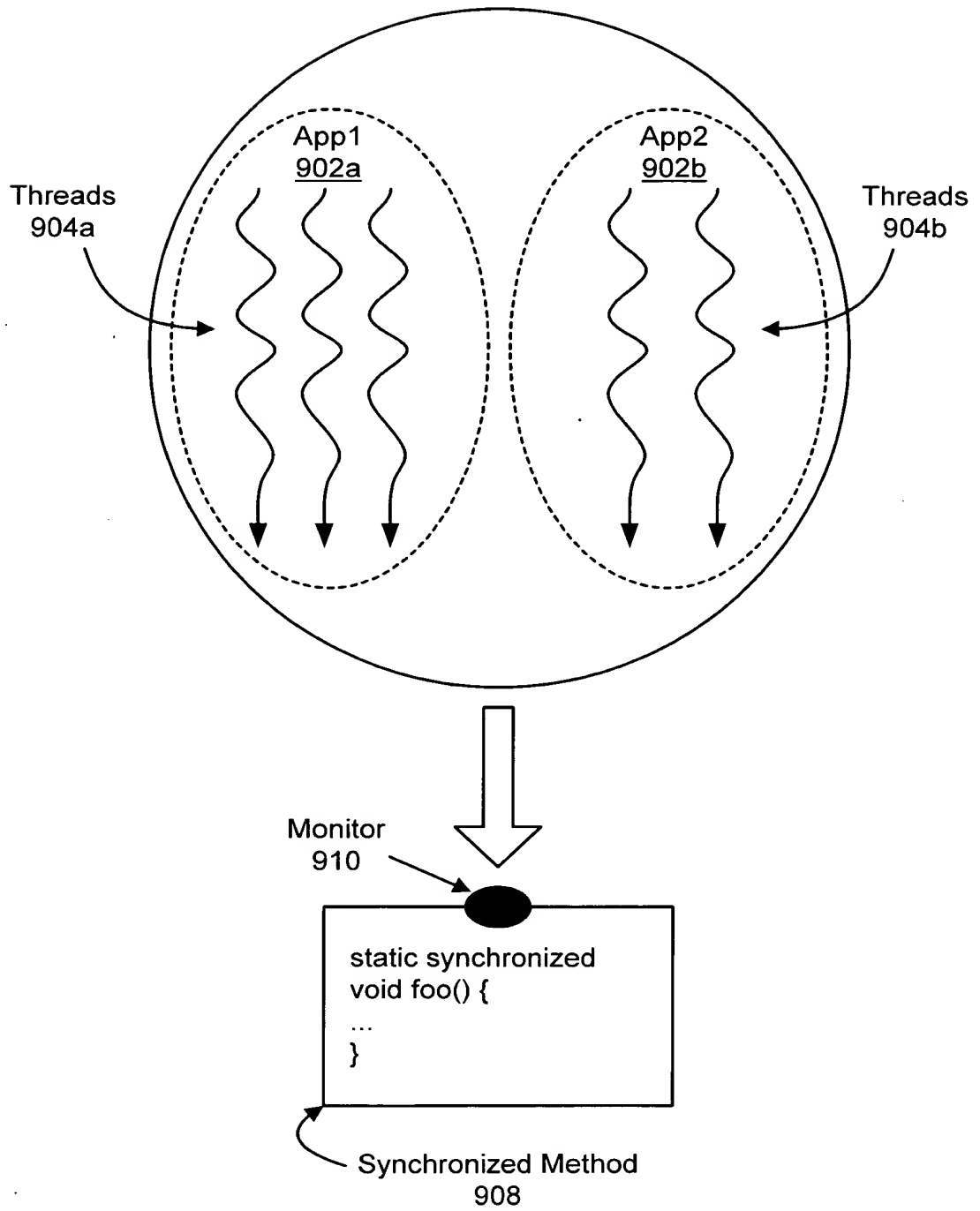


Figure 9

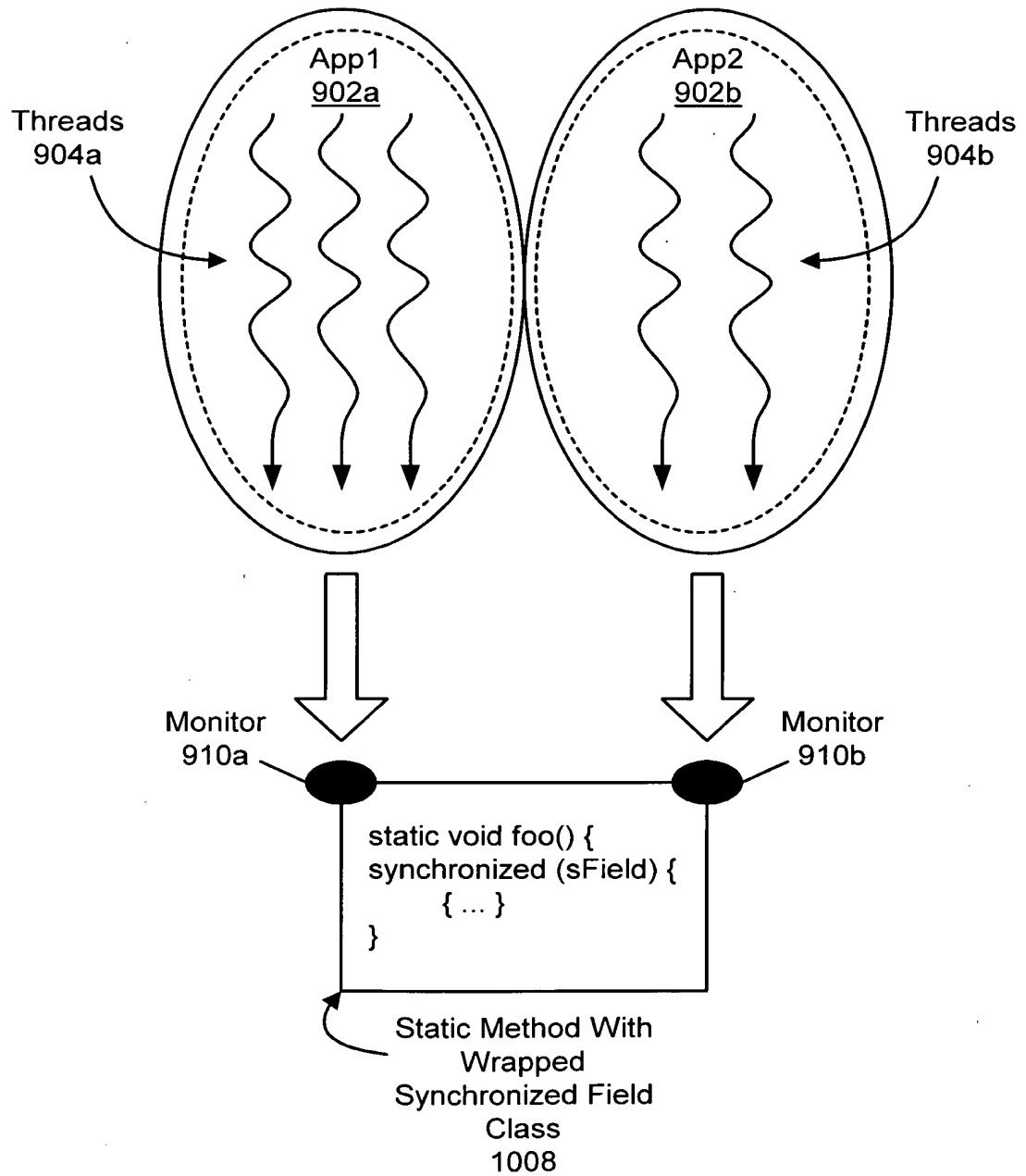


Figure 10

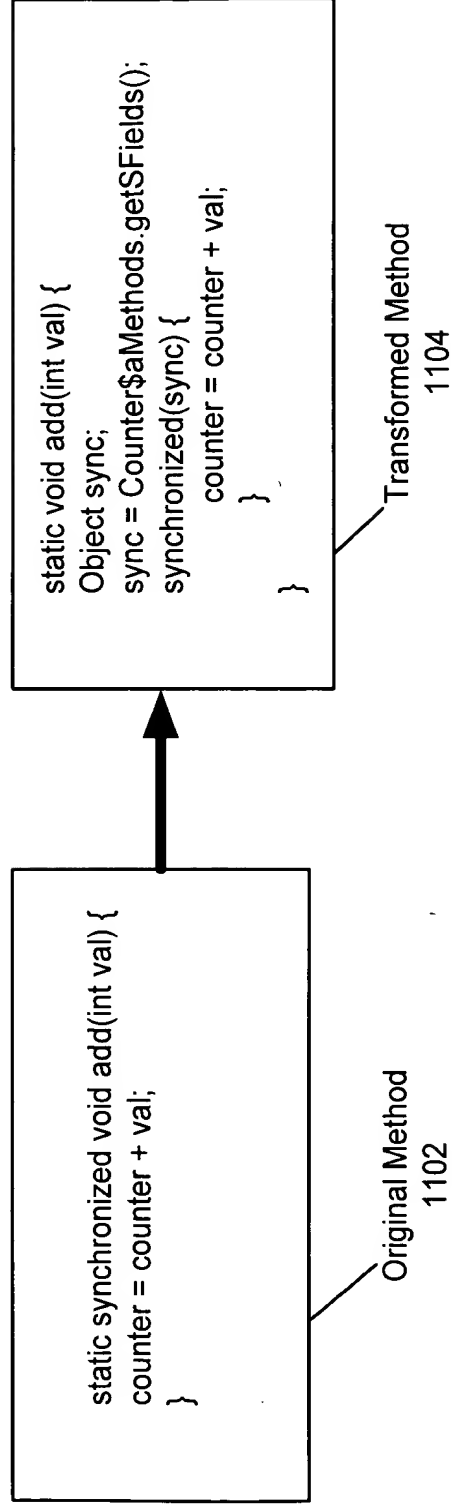


Figure 11

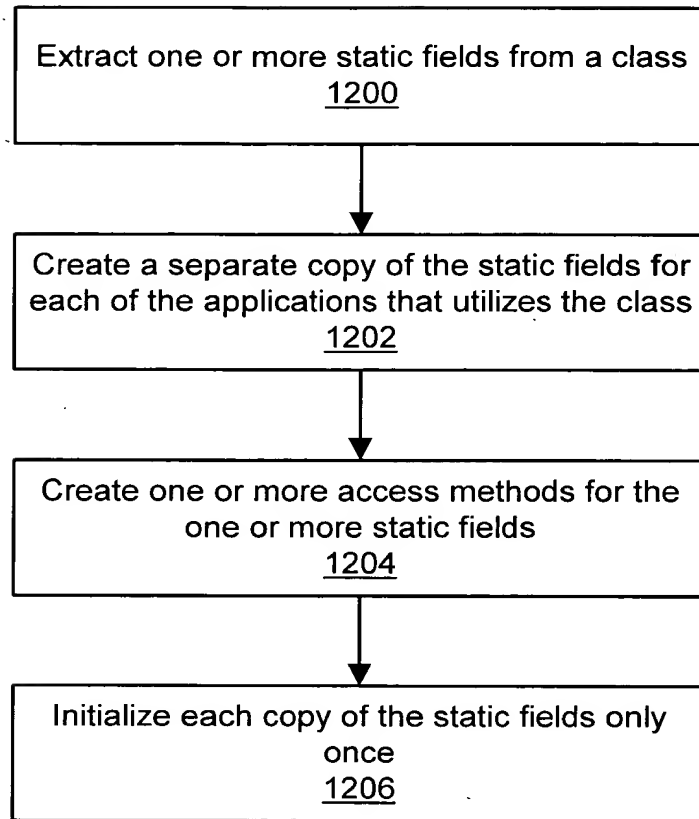


Figure 12

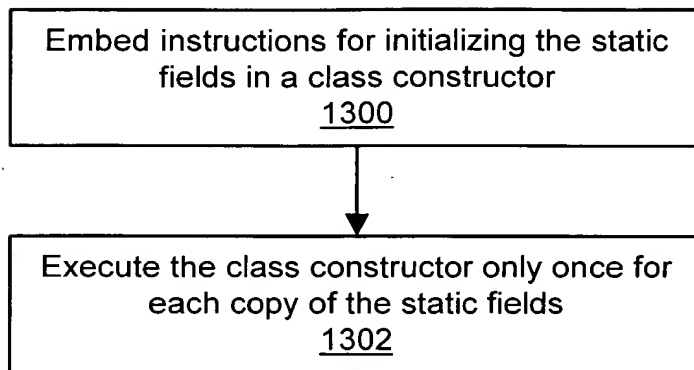


Figure 13

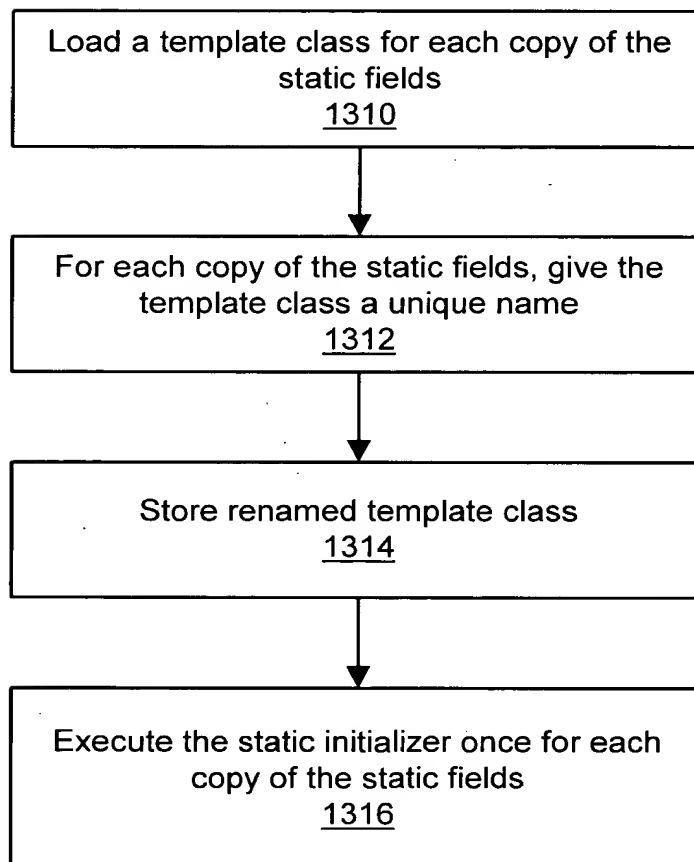


Figure 14